



## + Features and Benefits

**HIGH CAPACITY SPLITTING PLANT:**  
6 model sizes up to 7,000 scfm

**INTELLIGENT CONTROL:**  
superb reliability and maximum safety

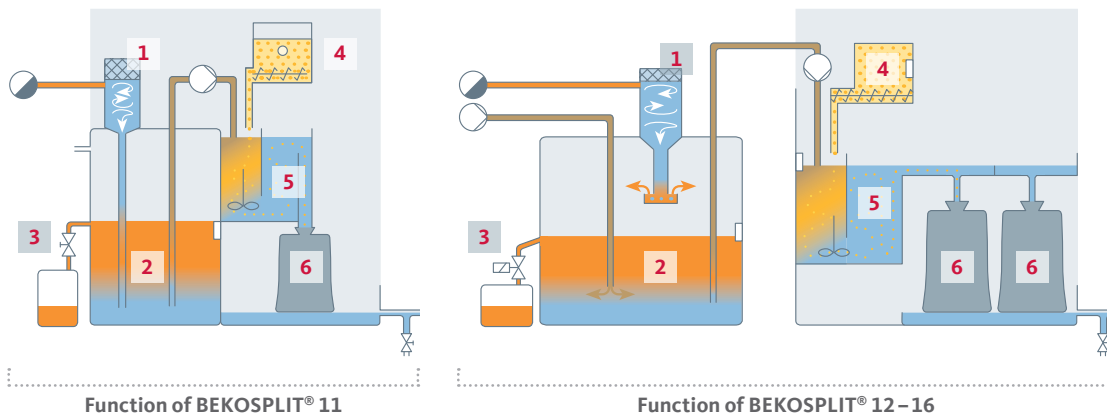
**ENVIRONMENTALLY FRIENDLY:**  
no additional chemicals or heat required



**LOWER OPERATING COSTS:**  
minimal power consumption, maintenance  
can be done in under ten minutes

**SAFE FOR ALL CONDENSATES:**  
guaranteed to work even on the toughest  
jobs- meets every US regulation

## + Operating Principle



For the preliminary purification, the wastewater to be processed is supplied to the pre-separation tank (2) via a pressure relief chamber (1). This process is unaffected by fluctuations in the wastewater inflow. The separated oil is discharged automatically (3), and the liquid levels are monitored by a capacitive electronic system that distinguishes accurately between air, oil and emulsion. This ensures that emulsion cannot get into the oil collector, and free parts cannot enter the splitting process. The pretreated wastewater is then

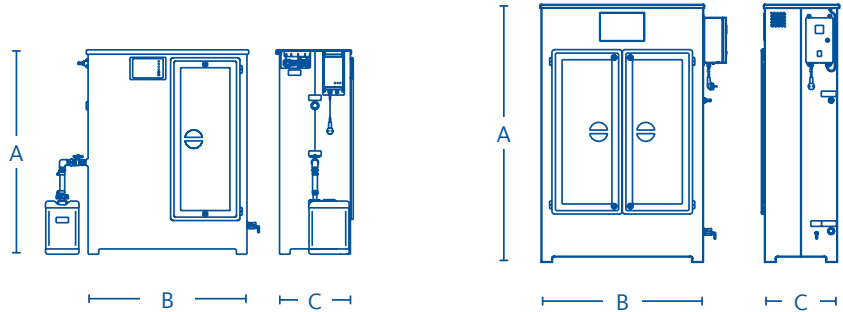
pumped into the BEKOSPLIT® reaction chamber (5) for fully automatic treatment. The reaction process uses bentonite as a splitting agent, a non-toxic natural alumina mineral which is stored in a metering unit (4) and stirred into the wastewater in amounts precisely adapted to the particular application. The splitting agent encapsulates the oil and dirt particles. This results in easily filterable macro flocs which are then removed by a bag filter (6). The purified water can now be discharged into the sewerage system.

# BEKOSPLIT® High-Capacity Oil-Water Separators

with flocculation based separation

## + Splitting Plants

Max. compressor performance	7,000 scfm
Power input	< 100 VA
Guaranteed residual oil content	< 10 ppm



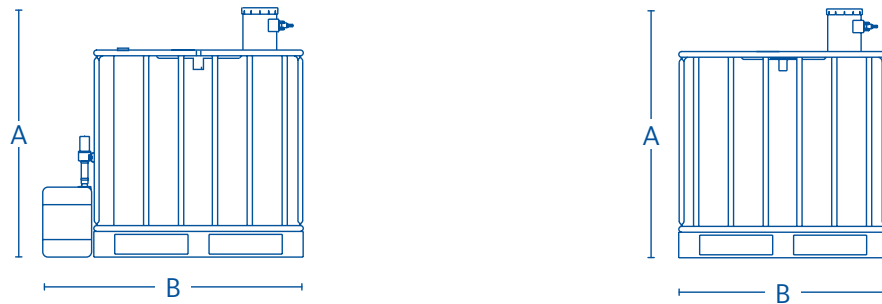
All units require a pre-separation tank

BEKOSPLIT®	11	12	13	14	14 S*	15	16
Voltage (VAC)	100-230 VAC	115 VAC	115 VAC	115 VAC	115 VAC	115 VAC	115 VAC
Processing Capacity (gal/h)	4	8	16	24	24	32	42
A (inches)	45.6	45.5		56.4	56.4		57.9
B (inches)	35.4	18.5		35.4	35.4		39.4
C (inches)	15.8	15.8		15.8	15.8		24.8
Weight (lbs)	106	73		119	121		168

\*14 S features an extended capacity dosage unit

## + Tanks

Max. operating pressure	360 psig
Oil outlet	32mm
Condensate inlet	3 x 1/2"



for BEKOSPLIT®	Required Pre-Separation Tank				Optional 2nd Buffer Tank	
	12   13   14   14 S	12 - 16		All models		
Tank Capacity (gal)	158	264		158	264	
A (inches)	49.4	56.7		49.4	56.7	
B (inches)	57.1	59.1		47.2	47.2	

Subject to technical errors, changes, omissions and/or corrections without prior notice.